No 1st & Final Bill SBR2000040/24-25 **CONTRACT CERTIFICATE** BR2000040/24-25

(For Other Works)

Date.....20...Division: **Electrical** 18/9/2024 Sub-Division: 18/9/2024

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code: 015-24-000001**

Schedule Docket No. Head of Account: D.R.No. :

Name of Work Repalcement Of Burntout UG Cable,Panels boards and its accessorie coming under dasarahalli zone parks ward 15.16.17.18.19.20

Name of Contractor and Full Address: **M/s MAHALAKSHMI CONSTRUCTION**

Reference to Agreement No.EE/Ele/DZ/tend/wo/ 000014/2024-25 26/8/2024 dt. 06-08-2024

Certified that the measurements were taken by me on 6849 and recorded of Pages.68418.11 to 68418.17

of measurement Book No: and that the work is satisfactorily executed.

For SRI MAHALAKSHMI CONSTRUCTIONS

Contractor Proprietor

Officer-in-charge of work

Certified that the measurement were taken by me on 27/8/2024 and found correct. The work is satisfactorily executed. Assistant Engineer (Ele) Bruhath Bengaluru Mahanagara Palike Dasarahalli Zone, Bengaluru

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total Bt	753000-00
2) Deduct amount to be held in reserve being.....percent Rs.....	It	7530-00
3) " Balance	1st	7530-00
4) Deduct Payment:	1st	7530-00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	CBF	7530-00
adjusted towards cash advance recovery of	LWF	753-00
b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Adj'	30873-00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Net	722127-00
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

ASST. EXECUTIVE ENGINEER (Ele) Bruhath Bangalore Mahanagara Palike Dasarahalli Zone, Bangalore

For SRI MAHALAKSHMI CONSTRUCTIONS

Contractor's Signature

Proprietor

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

For SRI MAHALAKSHMI CONSTRUCTIONS

Witness

1.

2.

Proprietor

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

(For use in the Office)

Admitted & Audited for Rs. 753000-00

Seven lakhs fifty three thousand only

Gross Amount 753000-00

Adjustment Amount 30873-00

Cheque Amount 722127-00

Executive Engineer (Ele) East Division

AS EE

EE

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Sl. No.	Description of item	Unit	Measurement Qty.	Measurement Rate Rs.	Measurement Amount	Total Upto Date Qty	Total Upto Date Amount	Remarks
	Name of work:- Replacement of Burntout UG Cable,Panels boards and Its accessories coming under Dasarahalli Zone Parks Ward 15,16,17,18,19,20.							
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light out put Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire IK08. Power Factor greater than 0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322IEC 60598, LM 79 & LM 80 Adherence with RO HS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .W System Power consumption. LED Efficiency greater than130lm/w, nominal CRI greater than 75 Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design Development facility certified by ISO 9001.2008. Housing with supplier word mark name shall be Engraved / Embossing on the die cast housing Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned LED Street light 40W greater than greater than	No	41	4000.00	164000.00	41	164000.00	
2	Fabricating, supplying and erection ofms long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S355J0 steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 mps for 3m Pole in single section and single joint welded as per IS 9595/IS10178AWS aving dimensions bottom . mm , top. mm with 3 mm hick, suitable base plate and 4Nos of . long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTMA123 and 153 etc.excluding foundation) as per drawing appended.3 m Top 70 mm and Bottom 130 mm dia	Each	41	7000.00	287000.00	41	287000.00	
3	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete Single Arm Bracket with 1000 mm Standard 40/50 mm dia	Each	41	900.00	36900.00	41	36900.00	
4	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI/ GI or any other pipe using required'size of reducer, wiring using suitable wires.	Each	41	180.00	7380.00	41	7380.00	
5	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,) 3-120sec setting.	Each	2	1950.00	3900.00	2	3900.00	
6	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 A TPN	Each	2	1950.00	3900.00	2	3900.00	
7	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6-32 A DP	Each	4	600.00	2400.00	4	2400.00	
8	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4)95/100 A	Each	2	11000.00	22000.00	2	22000.00	
9	Fabricating supplying and mounting MS box madeout SWG suitable for floor/wallmounting, fully weather proof with provision for better heatdissipation, provided with hinged frontcover, equipped with tampe rprooflocking arrangements, with suitablesize clamps with necessary cable entry pipe with gland box should be finished with 7tank streatment with powder coated paintand finally finished with approved colour etc., complete 5.42.2) 16 SWG	Sq CM	80500	0.30	24150.00	80500	24150.00	
10	Supplying and fixing hylum plastic sheet 3mm thick with necessary natches for fixing switches, regulators etc., and fixing on existing wood or metal box using N. F. screws	Sq CM	20000	0.30	6000.00	20000	6000.00	
11	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron. and M.S. Flat.with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm	Mtr	5	200.00	1000.00	5	1000.00	
12	Supplying . A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete 100 A 4 x 30 x 6 mm Aluminium Strips	Mtr	4	2000.00	8000.00	4	8000.00	

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13	Heavy Duty Copper Terminal Long Barrel 25 Sqmm Copper Terminal, Apprx Wt: 11 Gm	No.	15	22.00	330.00
14	1.1 kV Class HR (Heat Resistant) PVC Insulated & Sheathed Aluminium Single Core Lead wires as per IS-694: 2010 PVC Wire - 2.5 SqmmWeight per 100 Mtr Coil: 1.8 Kg	Coil	2	1200.00	2400.00
15	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C	Each	6	400.00	2400.00
16	Rod type of earthing using 40 mm Dia, 3 Mtr long MS rod as ground rod, in earth pit of 300 mm width and 3300 mm depth and using 50x6 mm flat welded to ground rod as terminal & connected to equipment ground terminal using PVC Al wire as specified	No.	2	1500.00	3000.00
17	Earth work excavation for cable trench of 0.5 to 0.75 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed	CUBIC METER	201	220.00	44220.00
18	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 Gl Strips - 4 x 0.8 mm)	Km	0.56	130000.00	72800.00
19	Laying of cable in Existing Trench/Gl pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staf 2.5 to 25 Sqmm	Km	0.56	16000.00	8960.00
20	KSRB 4-1.6: Providing and Laying in position plain cement cocrente of mix 1:2:4 with Cement @ 240 Kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 CMT and fine aggregtes @ 0.459 CMT machine mixed concrete laid in layers not exceeding 15 cm. thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. SPECIFICATION No. KBS 4.1, 4.2	CUBIC METER	10	5000.00	50000.00
21	Optical Fibre Cable (OFC) and its Accessories HDPE/PLB Pipe 40/33 mm	Km	0.4	6500	2600.00
	Total				753340.00

15	330.00		
2	2400.00		
6	2400.00		
2	3000.00		
201	44220.00		
0.56	72800.00		
0.56	8960.00		
10	50000.00		
4	2600.00		
	753340.00		

753000 f

753000 f

Certificate

1 The above said work has been carriedout satisfactorily

2 The Amount Claimed in this Bill has not been claimed in any of the previous bill

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bang...

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